

AUSTRALIAN BUREAU OF STATISTICS

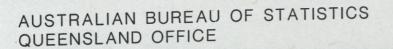
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QUEENSLAND

THE LABOUR FORCE

MAY 1985

Catalogue No. 6201.3



THE LABOUR FORCE, QUEENSLAND, MAY 1985

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Main Features

- In May 1985, the labour force in Queensland was estimated to be 1,144,600 and comprised 711,800 males and 432,700 females, including 243,300 married females.
- Employed persons in May 1985 totalled 1,031,400.
 Males numbered 642,400 and females 389,000. Of the females, 225,000 were married.
- The estimated number of persons unemployed in Queensland in May 1985 was 113,200 or 9.9 per cent of the labour force. Of this total, the number of persons looking for part-time work was estimated to be 20,000.
- Of the total unemployed, 29,400 persons, or 25.9 per cent, were in the 15 to 19 years age

- group. This represents an unemployment rate of 21.1 per cent for this age group.
- The unemployment rate of 9.9 per cent recorded for May 1985 was an increase over the rate recorded in May 1984 (9.6 per cent) but a decrease from the peak rate of 11.3 per cent recorded in February 1985.
- The gross flow results show that the movement into the full-time employment sector from all other sectors (part-time employment, unemployed, and not in the labour force) was greater than the movement out, with the majority coming from the unemployed sector.

Note: Tables containing the dissection of data between Brisbane Statistical Division and Rest of State have been excluded from this publication while tables on family status and gross flows (changes in labour force status) have been included. Regional data are now shown in the ABS publication "The Labour Force: Regional Estimates" (Catalogue No. 6204.3).

General

This publication contains estimates of the civilian labour force derived from the labour force survey part of the monthly population survey.

Although emphasis in the population survey is placed on the regular collection of specific data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available on request.

The Population Survey

The survey is based on a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, etc.) and usually covers slightly more than two-thirds of 1 per cent of the population of Queensland. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during a period of two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

Scope

The labour force survey includes all persons aged 15 years and over except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from Census and estimated populations;
- (c) overseas visitors holidaying in Australia; and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

Definitions

The <u>labour force category</u> to which a person is assigned depends on his <u>actual activity</u> (i.e. whether working, looking for work, etc.) during the survey week. The following definitions, which conform closely to the international standard definitions specified by the International Labour Organisation (ILO), relate only to those persons within the scope of the survey.

<u>Employed persons</u> comprise all those aged 15 years and over who, during the survey week:

(a) worked for one hour or more for pay, profit, commission, or payment in kind in a job or business,

- or on a farm (including employees, employers, and self—employed persons); or
- (b) worked for 15 hours or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were; on paid leave; on leave without pay for less than four weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- (d) were employers or self-employed persons who had a job, business, or farm, but were not at work.

Full-time workers are those who usually work 35 hours or more a week and others who, although usually part-time workers, worked 35 hours or more during the survey week.

Part-time workers are those who usually work less than 35 hours a week and who did so during the survey week.

Hours of work. The figures of average hours refer to actual hours worked during the survey week, not hours They may be affected by public holidays, paid for. leave, absenteeism; temporary absence from work due to sickness, injury, accident, and industrial disputes; and stoppages of work due to bad weather, plant breakdown, etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad weather or plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculation.

Unemployed persons are those aged 15 years and over who were not employed during the survey week, and:

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and:
 - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or
 - (ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then; or
- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of

Definitions (continued)

the survey week) for reasons other than bad weather or plant breakdown.

Actively looking for work includes writing, telephoning, or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or Commonwealth Employment Service noticeboards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency, advertising or tendering for work; and contacting friends or relatives.

Unemployed persons looking for first job are those who had never worked full-time for two weeks or more.

The <u>unemployment rate</u> for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

Duration of unemployment is the period from the time the person began looking for work or was laid off to the end of the survey week. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full-time for two weeks or more to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration.

Median duration of unemployment is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other comprising persons whose duration is below it.

Unemployed persons classified by industry and occupation. Unemployed persons who had worked full-time for two weeks or more in the last two years are classified according to the industry and occupation of their most recent full-time job.

The <u>labour force</u> comprises all persons who, during the survey week, were employed or unemployed, as defined above.

The <u>labour force participation rate</u> for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group.

Persons not in the labour force are those who, during the survey week, were not in the categories employed or unemployed as defined. This category therefore includes persons who were keeping house (unpaid), attending an educational institution (e.g. school or university), retired or voluntarily inactive, permanently unable to work, immates of institutions, trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation, provided they had not actively looked for work in the four weeks up to the end of the survey week, and:

- (a) in the survey week:
 - (i) were without a job, business, or farm; or
 - (ii) had worked for less than one hour for pay, profit, commission, or payment in kind; or
 - (iii) had worked for less than 15 hours without pay in a family business or on a famm; or
- (b) had been stood down without pay for four weeks or more up to the end of the survey week.

Marital status. In the labour force survey, persons are classified as married or not married. Marital status is determined from information supplied by the respondent about the individual himself or herself and, where the person was reported as being married, about the living arrangements of persons usually resident in the house-Marital status does not therefore necessarily reflect legal status. Persons are classified as married if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not married category includes persons who have never married, or are widowed, separated, or divorced, as well as those who. although reported as being married, did not have a spouse who usually lived in the household. Persons who live in a de facto relationship but do not volunteer this information when asked whether they are married, are classified as not married.

In conjunction with the revision of estimates back to February 1978 to conform to revised population estimates. the new definition of marital status outlined above was Consequently, estimates of marital status contained in this publication are not comparable with estimates published before the February 1984 issue of this publication. This revision to the marital status classification has been undertaken in two parts. Firstly, for all surveys from February 1978, persons who reported that they were separated, were reclassified as not married (previously they were included as married). Secondly, from June 1983 onwards, in addition to including persons reported as separated, the not married category includes persons, who although reported as married, did not, at the time of the survey have a spouse who was a usual resident of the household.

Industry classification. Industry is classified according to the Australian Standard Industrial Classification (ASIC), 1983.

Occupation classification. Occupation has been classified according to the Classification and Classified List of Occupations, revised June 1981.

<u>Gross flows</u>. In order to minimise respondent burden and at the same time maintain continuity within the population survey sample, one-eighth of the dwellings in the sample (except the large non-private dwellings) are replaced after each survey. Adoption of this rotation procedure, enables more reliable measurements of changes in the labour force characteristics of the population to be made than would be possible if a new sample were introduced each month.

Definitions (continued)

Because a high proportion of private dwellings selected in one survey remains in the sample for the following survey, it is possible to match the characteristics of most of the persons in those dwellings from one month to the next, to record any changes that occur, and hence to produce estimates of flows between the different categories of the population and labour force.

The procedures used to select persons in non-private dwellings preclude the possibility of matching any of them who may be included in successive surveys. For this and other reasons, including the mobility of the population and non-response in either or both surveys, about 10 per cent of persons in those dwellings which are included in the sample in successive months cannot be matched. Those who can be matched represent about 80 per cent of all persons in the survey.

Changes in the characteristics of this latter group are shown in the gross flows table. About one half of the remaining (unmatched) 20 per cent of persons in the survey are likely to have characteristics similar to those in the matched group, but the characteristics of the other half are likely to be somewhat different.

Gross flow estimates relate only to those persons in private dwellings for whom information was obtained in successive surveys. The expansion factors used in calculating the estimates were those applying to the second of each pair of months.

Although it is not possible to provide gross flow estimates for all persons in the survey it is considered that the estimates derived from matched records will be a useful guide to the magnitude of the movements between categories which underlie the changes in monthly levels. When comparing flows for different periods it is important to take into account the population represented by the matched sample, as shown in the last line of the table.

While every effort is made to reduce non-sampling errors to a minimum, any such errors affecting labour force status will tend to accumulate in the gross flow statistics rather than to cancel out. The estimates are also subject to sampling variability, as explained in the Technical Notes. For these reasons the estimates of flows should be used with caution. The standard errors may be obtained from Table A of the Technical Notes.

Estimates of total flows into or out of the employed category may be less than the sum of the estimates for employed full-time and employed part-time as the estimates for the latter two categories include movements between these two categories.

<u>Family status</u>. As a part of survey procedures, family relationships are determined each month, enabling both the estimation of persons cross-classified by their family status and the estimation of families.

Because of the coverage rules of the population survey which associate persons with particular dwellings so that each person has an equal chance of selection in the survey, persons who usually live with other members of their family may, at the time of the survey, be enumerated as not living with all the usual members of their family. This situation is more likely for persons who are enumerated as visitors to other private dwellings or as persons staying in non-private dwellings (hotels, caravan parks, hospitals, etc.). The determination of family structure and family characteristics in such cases is most difficult. Thus, family information was not obtained for the following persons:

- (a) all persons enumerated in non-private dwellings (including hotels, motels, and hospitals and other institutions); and
- (b) persons enumerated as visitors to (rather than usual residents of) private dwellings.

In addition, in those private dwellings where it was not possible to obtain information relating to all the usual residents, no family information was recorded. Thus the family characteristics of persons living in families which include a member of the permanent defence forces, who is outside the scope of the population survey, are not determined because family information could not be obtained from each usual resident. Similarly families which at the time of the survey have one or more of their members away from the usual residence, are also excluded from family determination. A summary of those persons for whom family information was obtained, as well as those usual residents of private dwellings for whom complete family information could not be obtained, and those persons specifically excluded from the family determination procedures is contained in the family tables. Generally, family status is determined for more than 90 per cent of all civilians aged 15 years and over.

Population Benchmarks

Labour force survey estimates of persons employed, unemployed, and not in the labour force are calculated in such a way as to add up to the independently estimated distribution of the population aged 15 years and over by age and sex. This procedure compensates for underenumeration in the survey, and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in the ABS publication "Australian Demographic Statistics Quarterly" (Catalogue No. 3101.0) because they are necessarily derived from incomplete information about population changes.

Revision of Series

Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions

Explanatory Notes (continued)

Revision of Series (continued)

are made, however, after each Census of Population and Housing and when population estimation bases are reviewed. Survey estimates back to February 1978 have been recalculated to conform to revised population estimates which take account of results of the 1981 Census.

Following the change in official population estimates to a place of usual residence basis from the 1981 Census, the population benchmarks used in this revision of labour force survey estimates are compiled according to place of usual residence. For an explanation of the new conceptual basis of population estimates see "Population Estimates: An Outline of The New Conceptual Basis of ABS Population Estimates" (Catalogue No. 3216.0).

Related Publications

Users may also wish to refer to the following publications which are available on request:

"Indicators of Business Activity" (1303.3)
"Monthly Summary of Statistics" (1304.3)
"The Labour Force: Regional Estimates" (6204.3)
Information Paper "Questionnaires Used in the Labour Force Survey" (6232.0)
Information Paper "Release of Regional Labour Force Statistics" (6262.0)

All publications produced by the ABS are listed in the "Catalogue of Publications" (Catalogue No. 1101.0) which is available from any ABS Office.

Unpublished Statistics

The ABS can also make available certain labour force statistics which are not published. Where it is not practicable to provide the required statistics by telephone, they may be available in other forms, such as microfiche, photocopy, computer printout, or clerically extracted tabulation. A charge may be made for providing unpublished statistics in these forms.

For further information on these unpublished statistics contact Bevin Morris by telephoning Brisbane (07) 222 6277, or write to Information Services at the address below.

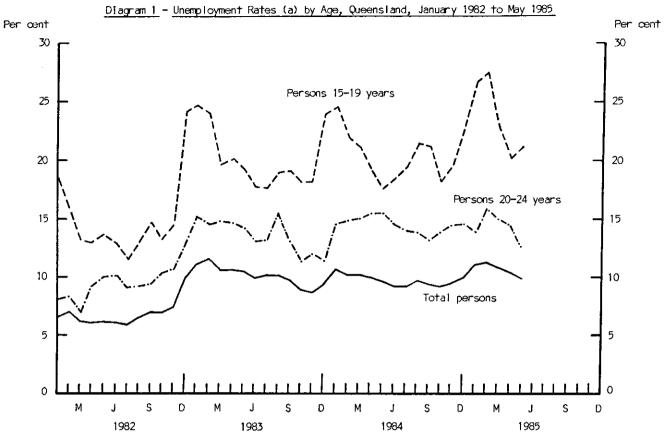
Symbols and Other Usages

- .. Not applicable.
- * Subject to sampling variability too high for most practical uses. (See Technical Notes pages 23 and 24 regarding reliability of the estimates.)

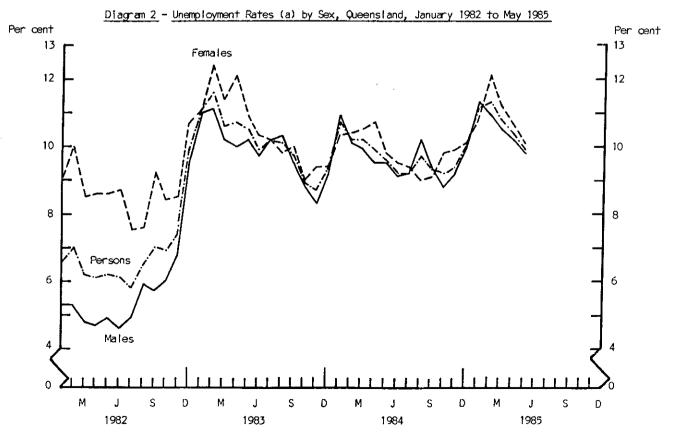
Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

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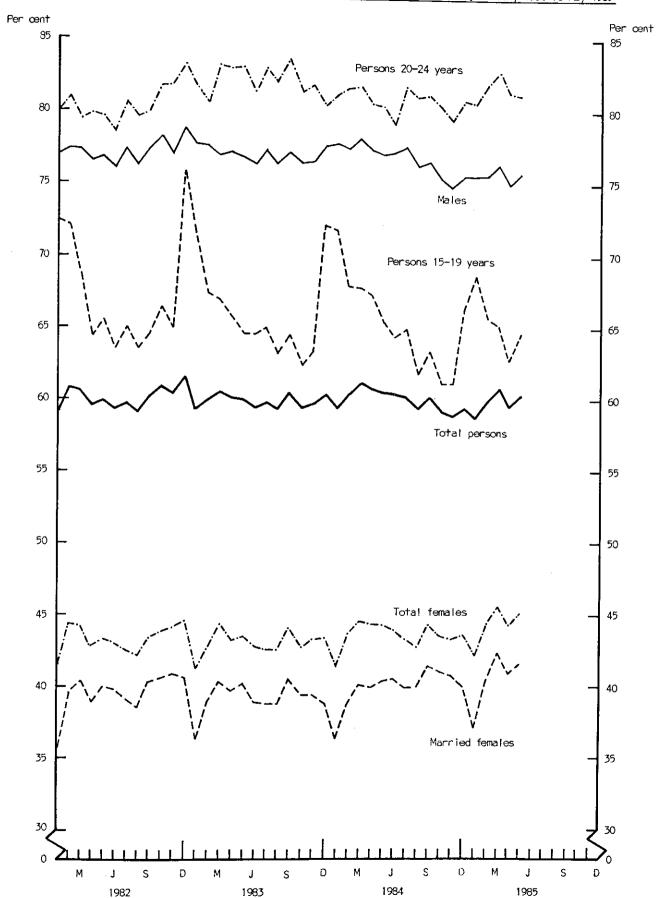


(a) The unemployed in each group as a percentage of the civilian labour force in the same group.



(a) The unemployed in each group as a percentage of the civilian labour force in the same group.

Diagram 3 - Labour Force Participation Rates (a) by Age and Sex, Queensland, January 1982 to May 1985



⁽a) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 1 - Labour Force Status of the Civilian Population Aged 15 Years and Over, Queensland, April 1984 to

May 1985

				•		May 198	<u>35</u>				
			Emp	loyed	Unem	ployed		Not in	Civilian	Unemploy-	Particip-
	•				Looking	}	Labour	labour	aged	ment	ation
	Month		Full-	Total	for full-	Total	force	force	15 years	rate (a)	rate (b)
			time		time work				and over	<u> </u>	
			'000	'000	'000	'000	'000	1000	'000	%	8
	. <u> </u>	•	-			Males	<u></u> L			<u> </u>	<u> </u>
1984	: April		607.3	647.1	64.2	67.9	715.0	210.3	925.3	9.5	77.3
	May	••	606•2	646.0	62.8	67.7	713.7	212.9	926.6	9.5	77.0
	June		609•8	650•4	61.5	64.9	715.2	212.7	928.0	9.1	77.1
	July	••	612.9	653.9	62•8	66.0	719•8	209.1	928.9	9.2	77.5
	August	••	599.5	636•6	67•2	72•0	708.6	221-4	930.0	10•2	76•2
	September	r	606.5	644.6	61•1	67•1	711.8	219•2	931.0	9.4	76.5
		••	601•3	640•1	57•8	62.0	702•2	230.3	932.4	8.8	75.3
	November		594•2	634.8	61.3	63.9	698•8	234•8	933•6	9.2	74.8
	December		600.0	636.0	64.0	69.6	705.6	229.1	934.7	9.9	75.5
1985:	: January	••	590.0	627.0	74.8	79.7	706.7	229.2	935.9	11.3	75.5
	February		595.0	631.6	73.1	77.0	708•7	228.7	937.4	10.5	75.6
	March April	••	598•6 591•0	640 . 5 632 . 9	70•2 67•0	75.4 72.2	715 . 9 705 . 0	222 . 9 234 . 8	938.8 939.9	10•5 10•2	76.3 75.0
	May	••	600•4	642.4	62.9	69.4	711.8	229.0	940.8	9.8	75.7
				1	<u> </u>	J Married Fe					
			1	T	1	l	T	T			
1984:	April	••	110•3	210.3	10.0	17.8	228•2	343•1	571.3	7.8	39.9
	May	••	112.6	216.2	9.7	15.6	231.8	342.3	574.1	6.7	40.4
	June	••	114.0 115.6	216.1	9.4 7.3	17•2 13•7	233 . 3 231 . 3	342.8 347.9	576•1 579•2	7•4 5•9	40•5 39•9
	July August	••	115.6	216.3	9.4	15.6	231.9	348.3	580.1	6.7	40.0
	September		121.2	223.6	7.6	15.4	239.0	337.7	576•7	6.4	41.4
	October		118.8	218.8	11.3	17.8	236.6	340.6	577.2	7.5	41.0
	November		117.9	217.4	10.2	17•7	235•1	342.1	577•2	7.5	40.7
	December		114.6	212.6	9.1	17.1	229.6	345•1	574.7	7•4	40.0
1985:		••	118-1	201.7	8.9	14.7	216.4	366.8	583.2	6•8	37•1
	February		114.0	214.3	13.7	21.2	235.5	347.5	583.0	9•0	40.4
	March	••	119.9	226•4	11.6	22.0	248•4	338.5	586•8	8.8	42.3
	April	••	115.0	221-1	10.9	19.0	240.1	347.3	587•4	7.9	40.9
	May	••	114.3	225.0	10•6	18•2	243.3	341 • 4	584•7	7.5	41•6
					Not M	arried Fem	ales (c)				
1984:	April	••	122.0	163•2	20.7	26•9	190•1	180•2	370•3	14.2	51.3
		••	121.0	160.7	21.1	25.1	185.9	183•2	369.0	13.5	50.4
		••	120.2	160.5	17.7	22.2	182.7	185•8	368.6	12•2	49.6
		••	118.4	153.7	20.6	24.7	178•3	188•4	366.7	13.8	48•6
	August	••	118.6	153•2	18.0	20.8	174.0	193•1	367.0	12.0	47.4
	September		118•2	158•6	18•4	22.7	181.4	190•4	371.7	12.5	48.8
		••	111.6	153.6	18•2	22.4	176•1	196•3	372•4	12•7	47.3
	November		114.0	153.9	19•3	23.0	176.9	196•8	373.6	13.0	47.3
	December		122.4	160•2	19.3	24.9	185•1	192.3	377•4	13.4	49.0
	January .		121.7	157 . 6	22.6	28.7	186•3	184.0	370.3	15.4	50•3
	February .		120.6	158•7	22.6	30.0 % 7	188.7	183•2 181•9	371.9	15.9	50•7 50•8
		••	122.1	160 . 9 158 . 0	21.4 19.9	26•7 26•5	187•6 184•5	185.6	369.6 370.2	14•3 14•4	90•8 49•9
		• •	118•4 120•4	163.9	19.9	25.6	189.5	184.6	374.1	13.5	50•6
	···ay	• •	120-4	وورن	1940	ں•رے	ا روون،	104.0	2/741	10.0	JU#0

Table 1 - Labour Force Status of the Civilian Population Aged 15 Years and Over, Queensland, April 1984 to

May 1985 (continued)

					<u>May</u>	1985 (conti	nued)				
			Emplo	yed	Unemp1	oyed		Not in	Civilian	11	D
	Month		Full- time	Total	Looking for full- time work	Total	Labour force	labour force	population aged 15 years and over	ment rate (a)	Particip- ation rate (b)
			'000	' 000	1000	' 000	1000	1000	1000	%	%
						Total Femal	es				
1984:	April		232.3	373.5	30.7	44.7	418.3	523.3	941.6	10•7	44.4
	May		233•5	377.0	30.8	40•8	417.7	525.4	943.1	9.8	44.3
	June		234•2	376.6	27•1	39•4	416.0	528•6	944.7	9.5	44.0
	July		234.1	371.3	27.9	38.3	409•6	536.3	945•9	9.4	43.3
	August		234.3	369.4	27•4	36•4	405•8	541.4	947.2	9.0	42.8
	September	-	239.4	382.2	26.1	38•2	420•4	528.1	948.5	9.1	44.3
	October		230.4	372.5	29.5	40.3	412.7	536.9	949.6	9.8	43.5
	November		231.9	371.3	29.5	40.7	412-0	538•9	950.8	9.9	43.3
	December		237.0	372•8	28•4	41.9	414.7	537.3	952.1	10.1	43.6
1985:	: January		239•8	359•3	31.5	43.4	402.7	550•8	953.5	10.8	42.2
	February		234.5	373.0	36.3	51.2	424•2	530.8	954.9	12.1	44-4
	March	·	242.0	387.3	32.9	48.7	436.0	520•4	956.4	11.2	45.6
	April		233.4	379.2	30.9	45.5	424•6	533.0	957.6	10.7	44.3
,	May		234.7	389.0	30.3	43.8	432•7	526.0	958•8	10•1	45•1
		-				Persons					
1984:	: April		839•6	1,020.6	94.9	112.7	1,133.3	733•6	1,866.9	9.9	60.7
	May		839.7	1,023.0	93.6	108.4	1,131.4	738•3	1,869.8	9.6	60•5
	June		844.0	1,027.0	88.5	104.3	1,131.3	741.4	1,872.6	9.2	60•4
	July		846•9	1,025.2	90.7	104.3	1,129.5	745•4	1,874.9	9.2	60•2
	August	••	833.8	1,006.0	94•6	108•4	1,114.4	762•8	1,877.2	9•7	59-4
	Septembe	er .	845.9	1,026.9	87.1	105.3	1,132-1	747.3	1,879.4	9.3	60•2
	October	••	831.7	1,012.6	87.4	102.3	1,114.9	767•2	1,882.1	9.2	59•2
	November	•••	826•1	1,006.1	90.8	104.6	1,110.7	773•7	1,884.4	9.4	58•9
	December	٠	837•0	1,008.7	92•4	111.5	1,120.3	766•5	1,886.8	10.0	59•4
1985	: January	••	829•8	986.3	106.3	123-1	1,109.4	780.0	1,889.4	11-1	58.7
	February		829.5	1,004.6	109.4	128•2	1,132.8	759.5	1,892.3	11.3	59•9
	March	••	840.5	1,027.8	103•2	124.1	1,151.9	743.3	1,895.2	10.8	60•8
	April	••	824.4	1,012.0	97.9	117.6	1,129.6	767.8	1,897.5	10.4	59•5
	May	••	835•1	1,031.4	93•2	113.2	1,144.6	755•0	1,899.6	9.9	60.3
	·wy	••	1	1,02.71					_L	1	

⁽a) The number of unemployed in each group as a percentage of the labour force in the same group.

⁽b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

⁽c) Never married, widowed, separated, or divorced.

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Age Group, Queensland, May 1985

Captoyed Captoyed			-							 	
Full			Emp	loyed	Unemp	loyed	-		Civilian	ļ	
Age group (years) Full Total for full Total from force							-	Not in	population	Unemploy-	Particip-
Time					Looking	ł		l abour	aged	ment	ation
1000 1000 1000 1000 1000 1000 1000 1000 1000 \$ \$ \$			1	Total	for full-	Total	force	force	15 years	rate (a)	rate (b)
1000 1000	(years)		time		time work			1	and over		
Males Male			 	+				<u> </u>			
15 - 19			'000	'000	'000	'000	'000	'000	'000	%	18
20 - 24 77.2 84.3 12.4 12.8 97.2 8.7 105.9 13.2 91.8 25 - 34 167.1 174.5 17.3 18.1 192.5 12.0 204.6 9.4 94.1 35.5 44 151.7 156.2 11.6 11.6 167.9 8.8 176.7 6.9 95.0 45 - 54 100.0 104.0 5.4 5.9 109.9 12.4 122.3 5.4 89.9 55 - 59 36.6 38.8 * 4 41.6 15.7 57.3 * 72.6 60 - 64 20.2 22.6 * * 24.6 29.0 53.5 * 45.9 109.9 12.4 122.3 5.4 89.9 15 - 64 100.0 104.0 5.4 5.9 109.9 12.4 122.3 5.4 89.9 15 - 64 20.2 22.6 * * 24.6 29.0 53.5 * 45.9 109.9 12.4 122.3 5.4 89.9 15 - 64 20.2 22.6 * * 24.6 29.0 53.5 * 45.9 11.0 * 8.6 65 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 84.6 12.0 * 8.9 8 9.9 8 75.7 12.0 * 8.9 8 9.9 8 84.6 12.0 * 8.9 8 9.9 8 11.0 * 8.6 65 11.0 * 8.6 65 11.0 * 8.0 66.9 4.5 6.9 8.9 8 75.7 12.0 * 8.0 8 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0						Males				,	
25 - 34 167.1 174.5 17.3 18.1 192.5 12.0 204.6 9.4 94.1 35 - 44 151.7 156.2 11.6 167.9 8.8 176.7 6.9 95.0 45 - 54 100.0 104.0 5.4 5.9 109.9 12.4 122.3 5.4 89.9 55 - 59 36.6 38.8 * * * 41.6 15.7 57.3 * 72.6 60 - 64 20.2 22.6 * * * 24.6 29.0 53.5 * 45.9 15 - 64 594.3 632.9 62.9 69.4 702.3 127.5 829.8 9.9 84.6 65 and over 6.1 9.5 * * * 9.5 101.5 111.0 * 8.6 111.0 * 8.6 12 - 12 111.0 * 8.6 13 - 12	15 - 19	••	41•6	52.5	11.9	16.2	68.7	40.8	109.5	23.6	62•7
35 - 44 151.7 156.2 11.6 11.6 167.9 8.8 176.7 6.9 95.0 45 - 54 100.0 104.0 5.4 5.9 109.9 12.4 122.3 5.4 89.9 55 - 59 36.6 38.8 * * 41.6 15.7 57.3 * 72.6 60 - 64 20.2 22.6 * * * 24.6 29.0 53.5 * 45.9 15 - 64 594.3 632.9 62.9 69.4 702.3 127.5 829.8 9.9 84.6 65 and over 6.1 9.5 * * 9.5 101.5 111.0 * 8.6 Total 600.4 642.4 62.9 69.4 711.8 229.0 940.8 9.8 75.7 Married Females Married Females 15 - 19 * * * * * 3.1 3.3 6.4 * 48.4 20 - 24 16.5 23.8 * * 26.2 21.7 47.9 * 54.7 25 - 34 35.0 66.9 4.5 7.3 74.1 82.2 156.3 9.8 47.4 45 - 54 19.7 42.3 * 44.2 48.5 92.7 * 47.7 45 - 59 4.6 8.9 * * 9.2 34.3 43.5 \$4.5 \$7.8 45 - 59 4.6 8.9 * * 9.2 34.3 34.5 \$4.5 \$7.8 60 - 64 * * * * * * * * * * * * * * * * *	20 - 24	••	77.2	84.3	12.4	12.8	97.2	8.7	105.9	13.2	91•8
45 - 54 100.0 104.0 5.4 5.9 109.9 12.4 122.3 5.4 89.9 55 - 59 36.6 38.8 * * 41.6 15.7 57.3 * 72.6 60 - 64 20.2 22.6 * * * 24.6 29.0 53.5 * 45.9 15.6 60 - 64 20.2 22.6 * * * 24.6 29.0 53.5 * 45.9 15.6 60 - 64 20.2 22.6 * * * 24.6 29.0 53.5 * 45.9 9.9 84.6 65 and over 6.1 9.5 * * 9.5 101.5 111.0 * 8.6 6	25 - 34	••	167-1	174•5	17•3	18.1	192.5	12-0	204•6	9.4	94•1
55 - 59 36.6 38.8 * * 41.6 15.7 57.3 * 72.6 60 - 64 20.2 22.6 * * 24.6 29.0 53.5 * 45.9 15 - 64 594.3 632.9 62.9 69.4 702.3 127.5 829.8 9.9 84.6 65 and ower 6.1 9.5 * * 9.5 101.5 111.0 * 8.6 Total 60.4 62.9 69.4 711.8 229.0 940.8 9.8 75.7 Married Females Married Females * * * * 3.1 3.3 6.4 * 48.4 20 - 24 16.5 23.8 * * 26.2 21.7 47.9 * 54.7 35 - 44 34.7 76.1 3.4 6.1 82.3	35 - 44	••	151.7	156•2	11.6	11.6	167.9	8.8	176.7	6•9	95•0
15 - 64 20.2 22.6 * * 24.6 29.0 53.5 * 45.9 15 - 64 594.3 632.9 62.9 69.4 702.3 127.5 829.8 9.9 84.6 65 and over 6.1 9.5 * * 9.5 101.5 111.0 * 8.6 Total 600.4 642.4 62.9 69.4 711.8 229.0 940.8 9.8 75.7	45 - 54	••	100.0	104.0	5•4	5.9	109•9	12.4	122.3	5.4	89•9
15 - 64 594.3 632.9 62.9 69.4 702.3 127.5 829.8 9.9 84.6 Total 600.4 642.4 62.9 69.4 711.8 229.0 940.8 9.8 75.7 Married Females	55 - 59	••	36.6	38.8	*	*	41.6	15•7	57.3	*	72•6
Total Column Co	60 - 64	••	20•2	22.6	*	*	24.6	29.0	53.5	*	45•9
Section Sect	15 - 64	••	594•3	632.9	62.9	69•4	702•3	127•5	829•8	9.9	84.6
Married Females 15 - 19		••	6•1	9.5	*	*	9.5	101.5	111.0	*	8•6
15 - 19	<u>Total</u>	••	600.4	642.4	62.9	69•4	711.8	229•0	940.8	9.8	75•7
20 - 24 16.5 23.8 * * 26.2 21.7 47.9 * 54.7 25 - 34 35.0 66.9 4.5 7.3 74.1 82.2 156.3 9.8 47.4 35 - 44 34.7 76.1 3.4 6.1 82.3 60.1 142.4 7.5 57.8 45 - 54 19.7 42.3 * * 44.2 48.5 92.7 * 47.7 55 - 59 4.6 8.9 * * 9.2 34.3 43.5 * 21.2 60 - 64 * * * * * * * * * * * * * * * * *					í 	Married Fen	nales				
25 - 34 35.0 66.9 4.5 7.3 74.1 82.2 156.3 9.8 47.4 35 - 44 34.7 76.1 3.4 6.1 82.3 60.1 142.4 7.5 57.8 45 - 54 19.7 42.3 * * 44.2 48.5 92.7 * 47.7 55 - 59 4.6 8.9 * * 9.2 34.3 43.5 * 21.2 60 - 64 * * * * * * * 35.6 38.0 * * * 114.0 223.3 10.6 18.2 241.6 285.6 527.2 7.5 45.8 65 and over * * * * * * 55.8 57.5 * * * Totel 114.3 225.0 10.6 18.2 243.3 341.4 584.7 7.5 41.6 Not Married Females (c) Not Married Females (c) 15 - 19 32.7 54.5 8.3 13.0 67.5 32.3 99.9 19.3 67.6 20 - 24 36.5 42.5 6.1 6.5 49.1 9.4 58.5 13.3 83.9 25 - 34 25.9 31.2 * * 34.0 11.3 45.3 * 75.1 35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * * * * * * * * * * * * * *	15 - 19	••	*	*	*	*	3-1	3.3	6.4	*	48+4
35 - 44 34.7 76.1 3.4 6.1 82.3 60.1 142.4 7.5 57.8 45 - 54 19.7 42.3 * * 44.2 48.5 92.7 * 47.7 55 - 59 4.6 8.9 * * 9.2 34.3 43.5 * 21.2 60 - 64 * * * * * * 21.2 60 - 64 * * * * * * * * * 15 - 64 114.0 223.3 10.6 18.2 241.6 285.6 527.2 7.5 45.8 55 - 8 57.5 *<	20 - 24	••	16.5	23.8	*	*	26.2	21.7	47.9	*	54.7
45 - 54 19.7 42.3 * * 44.2 48.5 92.7 * 47.7 55 - 59 4.6 8.9 * * 9.2 34.3 43.5 * 21.2 60 - 64 * <td< td=""><td>25 - 34</td><td></td><td>35.0</td><td>66.9</td><td>4.5</td><td>7.3</td><td>74.1</td><td>82•2</td><td>156•3</td><td>9.8</td><td>47.4</td></td<>	25 - 34		35.0	66.9	4.5	7.3	74.1	82•2	156•3	9.8	47.4
55 - 59 4.6 8.9 * * * 9.2 34.3 43.5 * 21.2 60 - 64 * * * * * * * * 35.6 38.0 * * * * * * * * 15 - 64 114.0 223.3 10.6 18.2 241.6 285.6 527.2 7.5 45.8 65 and over * * * * * * * 55.8 57.5 * * * * * * * 10.4 13.2 25.0 10.6 18.2 243.3 341.4 584.7 7.5 41.6 Not Married Females (c) Not Married Females (c) Not Married Females (c) 15 - 19 32.7 54.5 8.3 13.0 67.5 32.3 99.9 19.3 67.6 20 - 24 36.5 42.5 6.1 6.5 49.1 9.4 58.5 13.3 83.9 25 - 34 25.9 31.2 * * * 34.0 11.3 45.3 * 75.1 35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * * * 10.4 13.2 * * * 60 - 64 * 3.3 * * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7	35 + 44	••	34.7	76.1	3.4	6-1	82.3	60-1	142.4	7.5	57.8
36 - 64 15 - 64 114.0 223.3 10.6 18.2 241.6 285.6 527.2 7.5 45.8 65 and over * <td>45 - 54</td> <td>••</td> <td>19.7</td> <td>42.3</td> <td>*</td> <td>*</td> <td>44.2</td> <td>48•5</td> <td>92.7</td> <td>*</td> <td>47.7</td>	45 - 54	••	19.7	42.3	*	*	44.2	48•5	92.7	*	47.7
60 - 64 * * * * * * * * * * * * * * * * *	55 - 59	••	4.6	8.9	*	*	9.2	34.3	43•5	*	21 • 2
* * * * * * * * * * * * * * * * * * *	60 - 64	••			*	*	*	35•6	38•0	*	*
* * * * * * * * * * * * * * * * * * *	15 - 64	••	114.0	223.3	10.6	18•2	241.6	285•6	527•2	7•5	45.8
Not Married Females (c) 15 - 19		••	*	T .	*		*	l j	1	*	
15 - 19 32.7 54.5 8.3 13.0 67.5 32.3 99.9 19.3 67.6 20 - 24 36.5 42.5 6.1 6.5 49.1 9.4 58.5 13.3 83.9 25 - 34 25.9 31.2 * * 34.0 11.3 45.3 * 75.1 35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * 10.4 13.2 * * 60 - 64 * 3.3 * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7	Total	••	114.3	225.0	10.6	18•2	243•3	341.4	584•7	7•5	41.6
20 - 24 36.5 42.5 6.1 6.5 49.1 9.4 58.5 13.3 83.9 25 - 34 25.9 31.2 * * 34.0 11.3 45.3 * 75.1 35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * 10.4 13.2 * * 60 - 64 * 3.3 * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7					Not M	arried Fem	ales (c)	<u> </u>			
20 - 24 36.5 42.5 6.1 6.5 49.1 9.4 58.5 13.3 83.9 25 - 34 25.9 31.2 * * 34.0 11.3 45.3 * 75.1 35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * 10.4 13.2 * * 60 - 64 * 3.3 * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7	15 = 10		77 7	54.5	0.7	13.0	67.5	32.3	00.0	10 3	67.6
25 - 34 25.9 31.2 * * 34.0 11.3 45.3 * 75.1 35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * 10.4 13.2 * * 60 - 64 * 3.3 * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7			1	1	1 1		1	1 1			
35 - 44 10.5 15.6 * * 18.5 10.2 28.8 * 64.4 45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * 10.4 13.2 * * 60 - 64 * 3.3 * * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7				1						t t	
45 - 54 9.9 12.7 * * 13.0 10.8 23.8 * 54.7 55 - 59 * * * * 10.4 13.2 * * 60 - 64 * 3.3 * * 3.3 13.8 17.0 * 19.1 15 - 64 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7				t			1 .	l I			
55 59 *					1					1	
60 - 64		i			!!		1 :	1			
<u>15 - 64</u> 119.9 162.7 19.8 25.6 188.3 98.3 286.5 13.6 65.7								1	1	i	
	v ·	-									
65 and over * * * * 86.3 87.6 * *	15 - 64	••	119.9	162•7	19•8	25•6	188•3	98•3	286.5	į.	
	65 and over	••	*	*	*	*	*	86.3	87•6	*	*
Total . 120.4 163.9 19.8 25.6 189.5 184.6 374.1 13.5 50.6	<u>Total</u>	••	120.4	163•9	19•8	25•6	189•5	184.6	374-1	13.5	50.6

Table 2 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Age Group, Queensland,

May 1985 (continued)

		Emplo	oyed	Unempl	oyed			Civilian	-	
Age group (years)		Full- time	Total	Looking for full+ time work	Total	Labour force	Not in labour force	population aged 15 years and over	inemploy- ment rate (a)	Particip- ation rate (b)
		1000	1000	' ∞0	' 000	' 000	1000	'000	L	8
					Total Femal	es			•	•
15 19		34.6	57.5	8.5	13.2	70•6	35•7	106.3	18.7	66.5
20 - 24	••	52.9	66.3	7•4	9•0	75•3	31.1	106.4	11.9	70•7
25 - 34	••	60•9	98•1	7-1	10-1	108•2	93.4	201.6	9.3	53.7
35 - 44	••	45•2	91.7	5•7	9•1	100.8	70.3	171.1	9.0	58.9
45 - 54	••	29.6	55•1	*	*	57•3	59•3	116.5	*	49•1
55 - 5 9	••	6.9	11.7	*	*	12.0	44.7	56.7	*	21.2
60 - 64	••	3.8	5.7	*	*	5•7	49.4	55•1	*	10.3
15 - 64	••	233•9	386•0	30.3	43.8	429.8	383•9	813.7	10-2	52.8
65 and over	••	*	*	*	*	*	142•1	145.0	*	*
<u>Total</u>	••	234.7	389.0	30•3	43.8	432.7	526•0	958.8	10•1	45-1
					Persons			•		
15 - 19	••	76•2	110.0	20•4	29•4	139•3	76.5	215.8	21.1	64.6
20 - 24	••	130-1	150.6	19.8	21.8	172.4	39.9	212.3	12•6	81.2
25 ~ 34	••	228.0	272.6	24-4	28•1	300.7	105.5	406•2	9.4	74.0
35 - 44	••	196•8	248.0	17•3	20.7	268.7	79•2	347.8	7.7	77.2
45 - 54	••	129.6	159.0	6.9	8•1	167•2	71.6	238.8	4.9	70.0
55 - 59	••	43•5	50.5	*	3•1	53.6	60•4	114.0	5.8	47.0
60 - 64	••	24•0	28•2	*	*	30•2	78•4	108.6	*	27.8
15 - 64 65 and over		828•3 6•8	1,018.9	93•2	113-2	1,132.1 12.5	511•4 243•6	1,643.5 256.1	10.0	68 . 9
Total	••	835.1	1,031.4	93.2	113.2	1,144.6	755•0	1,899.6	9.9	60.3

⁽a) The number of unemployed in each group as a percentage of the labour force in the same group.

⁽b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

⁽c) Never married, widowed, separated, or divorced.

Table 3 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Marital Status, Queensland, May 1985

	Err	ployed	Unemp	loyed		1	Civilian		0
Marital status	Full-	Total	Looking for full- time work	Total	Labour force	Not in labour force	population aged 15 years and over	ment rate (a)	Particip- ation rate (b)
	' 000	' 000	1000	' 000	'000	' 000	'000	%	%
Males									
Married	416.4	434.7	24.9	26.0	460-8	122.6	583.4	5.6	79.0
Not married ••	184.0	207•7	37•9	43.4	251-1	106.3	357•4	17.3	70.3
Females									
Married	114.3	225.0	10.6	18.2	243.3	341.4	584.7	7.5	41.6
Not married	120.4	163.9	19•8	25.6	189•5	184.6	374-1	13.5	50•6
Persons									
Married	530.7	659•8	35.5	44.2	704.0	464-1	1,168-1	6.3	60.3
Not married	304.4	371.6	57•7	69.0	440•6	291.0	731.5	15•7	60.2

⁽a) The number of unemployed in each group as a percentage of the labour force in the same group.

Table 4 - Labour Force Status of the Civilian Population Aged 15 Years and Over by Birthplace and Period of Arrival
in Australia, Queensland, May 1985

Birthplace and period of arriva	Employed i	Unemployed	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemploy- ment rate (a)	Particip- ation rate (b)
	1000	1000	' 000	1000	1000	Z	£
Birthplace							
Born in Australia .	860•5	90.3	950•8	586.8	1,537.6	9.5	61.8
Born outside Australia .	170.9	22.9	193.8	130.7	324.5	11-8	<u>59.7</u>
Africa	4.5	*	5.3	3.0	8.3	*	63•6
America	5.5	*	6•2	4.3	10•6	*	59.0
Asia	15.3	*	17.4	12.7	30-1	*	57.7
Europe	114.4	15.1	129•5	<u>96.6</u>	226•1	<u>11.6</u>	<u>57.3</u>
U.K. and Ireland .	69•8	8.6	78.4	57•2	135.6	11.0	57•8
Other European countries	44•6	6.4	51.1	39-4	90.5	12.6	56.5
Oceania	31.2	4.1	35.4	14.0	49.4	11.7	71.6
New Zealand	26.3	3.2	29•6	10•4	40.0	10.9	73.9
Period of arrival			į				
Before 1971	99.5	10.9	110•4	88.9	199•3	9.9	55•4
1971-1975	20•6	3.6	24•2	13•1	37•3	14•9	64.8
1976–1980	24.7	*	27.3	10.6	37.9	*	72-1
1981-1983	21.7	3.9	25•6	11•7	37•4	15•2	68.6
1984 to survey date ••	4.4	*	6•2	6•4	12.6	*	49•5

⁽a) The number of unemployed in each group as a percentage of the labour force in the same group.

⁽b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

⁽b) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

Table 5 - Employed Persons (a) by Full-time or Part-time Status, Queensland, April 1984 to May 1985

		Male	ic.			Fema	ales			Pone	
	Month	1010		Marr	led	Not marr	ied (b)	To	al	Pers	s
		Full- time	Part- time	Full-	Part- time	Full- time	Part- time	Full- time	Part- time	Full- time	Part-
					Number	(1000)					
1984:	April	607•3	39.8	110.3	100.0	122.0	41.2	232•3	141•3	839.6	181.0
	May	606•2	39•9	112.6	103•6	121.0	39•8	233•5	143.4	839.7	183•3
	June	609.8	40.6	114.0	102•1	120•2	40.3	234•2	142.4	844.0	183.0
	July ••	612•9	41.0	115.6	102•0	118.4	35.3	234.1	137•2	846.9	178•2
	August	599•5	37•1	115.6	100.6	118.6	34.5	234.3	135.1	833.8	172.2
	September	606.5	38.1	121-2	102•4	118.2	40.4	239.4	142.8	845.9	180.9
	October	601.3	38.8	118.8	100•0	111.6	42.0	230.4	142.1	831.7	180.9
	November	594•2	40.6	117•9	99•5	114.0	39.9	231.9	139.4	826-1	180-1
	December	600.0	36.0	114.6	98•0	122.4	37.8	237.0	135.8	837.0	171.8
1985:	January	590.0	37-1	118•1	83•7	121.7	35•9	239.8	119.5	829.8	156•6
	February	595.0	36.7	114.0	100.3	120.6	38-1	234.5	138.5	829.5	175-1
	March	598•6	41.9	119.9	106.5	122-1	38.8	242.0	145.3	840.5	187.3
	April	591.0	41.9	115.0	106•1	118.4	39.7	233.4	145•8	824•4	187.6
	May	600.4	42.0	114.3	110.7	120•4	43.6	234.7	154.3	835•1	196•3
		Full	-time/Part	-time as a	Proportion	n of Emplo	yed Person	s (c) (per	cent)		
1984:	April	93.9	6•1	52.4	47•6	74.7	25.3	62•2	37.8	82•3	17.7
	May ••	93.8	6.2	52•1	47.9	75.2	24.8	62.0	38.0	82-1	17.9
	June	93.8	6.2	52.7	47•3	74.9	25.1	62.2	37.8	82•2	17.8
	July	93.7	6.3	53.1	46.9	77•1	22.9	63.0	37.0	82.6	17.4
	August	94•2	5.8	53.5	46.5	77.5	22.5	63.4	36.6	82.9	17.1
	September	94.1	5.9	54•2	45.8	74.5	25.5	62.6	37.4	82•4	17.6
	October	93.9	6-1	54.3	45.7	72.6	27•4	61.9	38•1	82-1	17.9
	November	93.6	6.4	54.2	45.8	74.1	25.9	62.5	37.5	82•1	17.9
	December	94.3	5.7	53.9	46•1	76•4	23.6	63.6	36.4	83.0	17.0
1985:	: January	94.1	5.9	58•5	41.5	77•2	22.8	66•7	33.3	84•1	15.9
	February	94.2	5.8	53.2	46.8	76.0	24.0	62•9	37•1	82•6	17.4
	March	93.5	6.5	53•0	47.0	75.9	24.1	62•5	37•5	81.8	18•2
	April	93.4	6.6	52.0	48.0	74.9	25•1	61.6	38•4	81.5	18.5
	May	93.5	6.5	50.8	49.2	73.4	26.6	60.3	39.7	81.0	19.0

⁽a) Civilians 15 years of age and over.

⁽b) Never married, widowed, separated, or divorced.

⁽c) Employed persons in each category (full-time males, part-time males, etc.) as a proportion of all employed persons in the corresponding sex/marital status group (i.e. males, married females, not married females, total females, or persons).

Table 6 - Employed Persons (a) by Industry Division and Status of Worker, Queensland, May 1985 ('000)

					Т			
				1		Females		
industry divis	ion and status	of worker		Males	Married	Not married (b)	Total	Persons
Agriculture, forestry,	fishing, and h	unting	••	57•4	16.0	3.1	19•1	76.5
Mining ••	••	••	••	16.0	*	*	*	17.6
Manufacturing ••	••	••	••	96.8	17•2	11.5	28.7	125.5
Electricity, gas, and w	ater	••	••	16-2	*	*	*	17.8
Construction ••	••	••	••	77.7	9.4	*	11.4	89.1
Wholesale and retail to	ede ••	••	••	125.6	53.3	41.8	95.1	220.7
Transport and storage	**	••	••	53.7	6.0	3.5	9.5	63.3
Communication	••	••	••	17.5	3.1	*	5.7	23.2
Finance, property, and I	ousiness servi	es	• •	49•8	20•6	20•4	41.0	90.7
Public administration a	nd defence	••	••	36.6	6,9	7-4	14.2	50•8
Community services	••	••	••	63+3	66.5	51.5	118.0	181.3
Recreation, personal, a	nd other servic	æs ••	••	31.8	23•6	19•3	43.0	74•8
Total employed	••	••	••	642•4	225•0	163•9	389.0	1,031.4
Employers	••	••	••	48•3	18.9	*	21.3	69.6
Self-employed	••	••	••	81•2	31.2	3.4	34.6	115.8
Wage and salary earners	••	••	••	510•7	172•4	157•1	329•5	840•2
Unpaid family helpers	••	••	••	*	*	*	3.6	5•9

⁽a) Civilians aged 15 years and over.

<u>Table 7</u> - <u>Employed Persons (a) by Occupation Group, Queenstand, May 1985</u>
(1000)

							Females		
	Оссир	ation group			Males	Married	Not married (b)	Total	Persons
Professional,	technical,	and related	workers	••	72•5	34.8	29.3	64•1	136.6
Administrativ	e, executive	, and manage	rial	••	57•8	10.6	*	13.5	71.3
Clerical	••	••	••	••	48•6	65•2	57.9	123.1	171.7
Sales	••	••	••	••	50•5	30.3	26.6	56.9	107•4
Farmers, fishe	ermen, timbe	r-getters, e	rtc	••	66.1	15.7	3.6	19.2	85.3
Transport and	communicati	on ••	••		48•1	4.7	*	7.3	55•3
Tradesmen, pro	oduction-pro	oess workers	, and labour	ers,					
n.e.c. (c)	••	••	••	••	262•2	19•9	10.0	29.9	292•1
Service, sport	t, and recre	ation	••	••	36.7	43•9	31.1	75•0	111•6
<u>Total</u>	••	••	••		642•4	225•0	163.9	389.0	1,031.4

⁽a) Civilians aged 15 years and over.

⁽b) Never married, widowed, separated, or divorced.

⁽b) Never married, widowed, separated, or divorced.

⁽c) including miners, quarrymen, and related workers.

Table 8 - Average Hours Worked (a) by Employed Persons (b) by Industry Division and Status of Worker, Queensland, May 1985

						Females		
Industry division a	nd status o	f worker		Males	Married	Not married (c)	Total	Persons
Agriculture, forestry, fishi	ng, and hunt	ting	••	49.5	30.3	33.1	30.8	44.8
Mining	••	••	••	40.1	*	*	33.0	39.5
Manufacturing	••	••	••	37.8	27•7	31.5	29.2	35.8
Electricity, gas, and water	• •	••	••	35•8	*	*	30.4	35.3
Construction	••	••	••	39.5	18•2	34.2	21.0	37.1
Wholesale and retail trade	• •	••	••	39.9	27•3	26.6	27.0	34.3
Transport and storage	••	••		39.0	24.5	31.7	27.2	37•2
Communication	••	••	••	31.7	24.2	35.0	29.2	31.1
Finance, property, and busin		3 ••	••	<i>3</i> 9.6	27•8	33.1	30.5	35.5
Public administration and de	fence	• •	••	33.5	31.2	36.0	33.7	33.5
Community services	••	••	••	37• 9	28.0	33.4	30.4	33.0
Recreation, personal, and ot	her service:	S ••	• •	39.4	27.9	26.7	27•4	32.5
Total employed	••	••	••	39•4	27•6	30.8	28•9	35•4
Employers	• •	• •	••	51.0	30.5	36•4	31•2	44.9
Self-employed	. ••	• •	••	46•4	28•1	30.1	28•3	41.0
Wage and salary earners	*•	• •		37•2	27•1	30•6	28•8	33.9
Unpaid family helpers	••	••	**	36•2	30.1	*	32•9	34.1
Full-time workers	••	••		41.1	39•2	36.9	38•0	40•2
Part-time workers	••	••	••	14•9	15•5	13.8	15.0	15.0

⁽a) Persons with jobs who did not work during survey week have been included in the calculation of average hours (c) Never married, widowed, separated, or divorced. worked. (b) Civilians aged 15 years and over.

Table 9 - Employed Persons (a) by Hours Worked, Queensland, May 1985 (1000)

				Number employed		
Hours worke	ed			Females		Persons
		Males	Married	Not married (b)	Total	1 61 50115
0 (c)		30.8	8.1	5.5	13.6	44.4
1-15		26.5	53.9	26.3	80•2	106.7
16-29		44.8	52.9	21.1	74.0	118.8
30-34		81.9	22.5	24•9	47•5	129.4
35-39		71.0	23.2	22.1	45.3	116•2
40		169.8	36.2	41.8	78•0	247.8
41-44		35•9	6.5	10.2	16.8	52.7
45 - 48		49•1	6.4	6.2	12•6	61.8
49 and over	••	132.6	15.3	5.8	21.1	153.7
Total	[642•4	225.0	163.9	389.0	1,031.4

⁽a) Civilians aged 15 years and over. Notes.

⁽b) Never married, widowed, separated, or divorced. (c) See Explanatory

Table 10 - Unemployed Persons by Duration of Unemployment (a), Queensland, March to May 1984 and 1985

Duration of unemp	La		1			1		
	юутепт (а)		March	April	May	March	April	May
		"		Males				-
	_		'000	1000	'000	1000	'000	1000
Number unemployed				1				
Under 4 weeks 🕟	• •	••	9.2	8•7	7.9	8.8	9.9	8.5
4 and under 8 weeks	••	••	9.5	7•3	7•6	8.7	7.5	7.8
8 and under 13 weeks	••	**	10.6	6.9	5.2	9•2	7.3	5.9
13 and under 26 weeks	• •	••	12.5	17-7	17•3	15.5	16.0	13.7
26 and under 52 weeks	••	••	10.4	12.5	14.0	12.7	12-1	13•2
52 weeks and over	••	••	19•6	14.7	15.7	20-4	19•5	20•4
<u>Total</u>	••	••	71.7	67.9	67•7	75.4	72.2	69•4
			weeks	weeks	weeks	weeks	weeks	weeks
Median duration of unemplo	yment	• •	16.1	19.0	21.1	18.0	19.1	23-1
		-	Fe	males				
		- -	'000	1000	1000	1000	'000	'000
Number unemployed			1 .000	1 .000	1	1 .000	1 .000	1000
			8•5	10.8	6.9	12.2	8.3	8.6
Under 4 weeks •• 4 and under 8 weeks	• •	••	7.2	4.9	4.9	7.3	5.4	5.3
8 and under 13 weeks	• •	••	6.2	4.9	5.6	4.5	6.6	4.7
13 and under 26 weeks	••		7.6	10.4	7.6	9.8	10.7	9.8
26 and under 52 weeks	••	••	6.5	5.4	6.8	6.5	5.3	6.5
52 weeks and over	••	••	8.2	8.4	9.1	8.4	9.2	9.0
72 WOORS and OVER	••	••	0•2	0.4	7*1	0.4	9.2	3.0
<u>Total</u>	••	••	44.1	44.7	40•8	48.7	45•5	43.8
			weeks	weeks	w⇔ks	weeks	weeks	weeks
Median duration of unemploy	yment	••	13.0	14.0	17•1	. 13.0	15.0	17.0
	_	_	Per	-sons				
			1 000	' 000	'000	' 000	'000	'000
Number unemployed		j	,, ,			21.0		47.0
Under 4 weeks	••	••	17.7	19.5	14.8	21.0	18.2	17.0
4 and under 8 weeks	••	••	16.6	12.2	12.5	16.0	12.9	13.0
8 and under 13 weeks	••	••	16.8	11.8	10.8	13.8	13.9	10.5
13 and under 26 weeks	••		20.1	28•2	24.8	25•3	26•6	23.5
26 and under 52 weeks	••		16.9	17.9	20.8	19•2	17•4	19.7
52 weeks and over	• •	••	27•7	23•1	24•8	28•9	28.7	29•4
<u>Total</u>	••	[115.8	112.7	108•4	124.1	117.6	113.2
							weeks	weeks
		ĺ	weeks	wæks	weeks	weeks	WOOKS	#CONS

⁽a) See Explanatory Notes.

Table 11 - Unemployed Persons and Unemployment Rates (a) by Industry Division and Occupation Group
of Last Full-time Job, Queensland, February 1984 to May 1985

Industry division,	February	1984	May 19	984	August	1984	November	1984	February	/ 1985	May 1985	
occupation group, and unemployment category	Number	Rate	Number	Rate	Number	'Rate	Number	Rate	Number	Rate	Number	Rate
	'000	Z,	'000	76	' 000	%	1000	%	1000	Z	1000	%
Persons who had worked for two weeks or more in a full-time job in the last two years	72.7	<u>6.7</u>	70.7	6.5	<u>67•6</u>	6.3	67.0	6.2	76•8	<u>7.1</u>	68.8	6.3
<pre>Industry division Agriculture, foresty, fishing, and hunting</pre>	4.9	5.9	6.3	7.1	5•6	6•2	4.4	4.5	7.4	8.0	6.4	7•7
Manufacturing •• ••	16.7	10.8	13.9	9.5	13.3	9•1	13.8	9.8	14.9	10-2	10.9	8.0
Construction	9.8	11.0	10.0	10.9	9.5	11.0	7.2	8.4	10-4	11.7	9.7	9.8
Wholesale and retail trade	16.5	6.9	15•4	6.5	16•2	7.0	16.3	6.9	14-1	6-1	15.6	6.6
Community services	4.5	2.7	6.7	5.7	4.4	2.5	4.7	2.7	6.9	4.1	5.0	2.7
Recreation, personal, and other services	6.2	8•1	5.9	7.6	6•4	8.2	7.5	9.8	8.9	11.2	8.0	9.7
Other industries ••	14.0	5.2	12.6	4.7	12•2	4.6	13.2	5.0	14.2	5.2	13.3	4.8
Occupation group Administrative, executive, managerial, and clerical Sales	8.3	3.5 5.8	8.4	3.5 7.2	8•1 6•7	3.4 6.2	8.7	3.8 7.3	6.8 6.8	2.8 6.2	9•4 6•5	3•7 5•7
Farmers, fishermen, timber- getters, etc	6.5	6.8	6.4	6.6	6.8	6.8	5.2	5.0	7.6	7.7	7.8	8.4
Tradesmen, production—process workers, and labourers (b)	35.5	10.8	31.5	9.7	33.0	10.4	29.3	9.4	38.0	11.8	29•4	9.1
Service, sport, and recreation	7.5	6.5	8.0	6.6	6.7	5.8	8.9	7.4	10•0	8.5	6.9	5.8
Other occupation groups	8.8	4.4	8.5	4.2	6.3	3.2	6.8	3.5	7.6	4.0	8.9	4.4
Other Persons looking for first job	16.5		16•0		12.7		13.7		20.0		15.1	
Persons who have not worked full-time for two weeks or more during the last two years (c)	23.5	_	19.8		26.7		22.9	-	28•2		27.6	
Persons stood down	*		*		*		*		3.2		*	
Total unemployed	114.6	10.2	108.4	9.6	108•4	9.7	104.6	9.4	128-2	11.3	113.2	9.9
Persons looking for full-time wor Persons looking for part-time wor	ı	1	1	- 1	1	1	1				i	1

⁽a) The number of unemployed in each industry division or occupation group as a percentage of the labour force in that group.

⁽b) Including miners, quarrymen, and related workers.

⁽c) Excluding persons looking for their first job.

Table 12 - Unemployed Persons and Unemployment Rates (a) by Birthplace and Age Group, Queensland, May 1985

				Number		Uı	nemployment ra	ate
Part	iculars		Males	Females	Persons	Males	Females	Persons
			'000	1000	'000	Z	1,5	8
			Во	orn in Austral	ia			
Looking for full-t	ime work	••	50.3	23.8	74.1	9.2	10.7	9.6
Looking for part-t	ime work	••	4.6	11.7	16.3	11.6	8•3	9.0
Total	••	••	54.9	35•5	90.3	9•3	9•8	9.5
Age group (years)								
15-19 ••	••		14.5	11.5	26.0	23.0	17.7	20.4
20-24	••	••	11.1	7.2	18.3	12.9	10.9	12.0
25-34			14.3	7.6	21.9	8.7	8.6	8.7
35~44	••		8.8	7-1	15.9	6.8	8.9	7.6
45-54	••		3.5	*	5.4	4.2	*	4.2
55 and over	••	••	*	*	*	*	*	*
			Born o	outside Austra	alia			
Looking for full-t	ime work		12•6	6•5	19•1	10.9	15•4	12.1
Looking for part-t	ime work		*	*	3•8	*	*	10.5
Total		[14•6	8•3	22.9	11.7	12.0	11.8
Age group (years)]						
15-19	••		*	*	3.4	*	*	29.0
20-24	••		*	*	3.5	*	*	17-2
25-34	••		3.8	*	6.3	13.3	*	13.1
35-44	••		*	*	4.8	*	*	8.0
45-54 ••	••		*	*	*	*	*	*
55 and over	••		*	*	*	*	*	*
Place of birth								
Main English-spea	king countri	es (b)	7.9	4.9	12.8	11.0	11.3	11.1
Other	••		6.7	3.4	10-1	12.7	13.3	12.9

⁽a) The number of unemployed in each group as a percentage of the labour force in the same group.

⁽b) Comprising the United Kingdom, Ireland, Canada, the United States of America, South Africa, and New Zealand.

Table 13 - Family Status by Labour Force Status of the Civilian Population Aged 15 Years and Over, Queensland, May 1985

Family status		Emp1oyed	Unemployed	Labour force	Not in labour	Civilian po	ivilian population aged 15 years and over			
				70.00	force	Males	Females	Persons		
Usual resident of a private dwel where family status was determin	_									
Member of a family	••	840.5	84.1	924•6	569.3	743.8	750•0	1,493.9		
Husband or wife	••	627.4	40•4	667•8	429.9	551.5	546•2	1,097•7		
With children aged 0-14 year present Without children aged 0-14	••	361•1	28•1	389•2	154.9	275•6	268•5	544 •1		
present	••	266.2	12•3	278•6	275.0	275.9	277.7	553•6		
Not-married family head	••	34.9	4.1	39•0	49•3	15•9	72.4	88•3		
With children aged 0-14 year	••	17.7	*	20•4	22•2	3.1	39.5	42•7		
Without children aged 0-14 present	years ••	17.3	*	18•6	27.1	12.8	32.9	45•7		
Child (a) of family head	••	164.0	35•4	199•4	70•2	158.0	111•6	269.6		
Other relative of family hea	d ••	14.2	4.2	18.5	19•9	18•5	19.8	38.3		
Not a member of a family	••	128.0	17.9	145.9	101.0	117.0	130.0	247.0		
Living alone Not living alone	••	51.6 76.4	7•0 10•9	58•6 87•3	81.9 19.2	58•3 58•7	82•2 47•8	140•5 106•5		
<u>Total</u>		968.5	102.0	1,070.6	670.3	860.8	880.0	1,740.8		
Usual resident of a private dwel where family status was not det	•	26•1	*	28•7	12•7	16.7	24.7	41.4		
Total usual residents of privated wellings	<u>e</u> ••	994.6	104•6	1,099•2	683.0	877.5	904•8	1,782.3		
Visitors to private dwellings Persons enumerated in non-privat	••	10.0	3.0	13.0	13.8	12.7	14-1	26.8		
dwellings	e ••	26.7	5•6	32.3	58.2	50•6	39.9	90•5		
<u>Total</u>	••	1,031.4	113•2	1,144.6	755.0	940.8	958.8	1,899.6		

⁽a) Aged 15 years and over.

Table 14 - Family Status by Labour Force Status and Sex of the Civilian Population Aged 15 Years and Over (a),

Queensland, May 1985

Queensland, May 1985										
		Emp	loyed	Uner	mployed					
Family status		Full- time	Total	Looking for full- time work	Total	Labour force	Not in labour force	ion aged	Unemp- Loyment	1.
		1000	1000	'000	'000	1000	1000	1000	78	2
Males										
Member of a family	••	497.8	530•6	45.1	50•2	580.8	163.0	743.8	8.6	78•1
Husband With children aged 0-14 ye	••	398.3	415.4	23.3	24.3	439.7	111.8	551.5	5.5	79.7
present Without children aged 0-14	••	242.4	250•2	15.9	16.3	266•4	9.1	275.6	6.1	96.7
present	••	155.9	165•2	7.3	8.1	173.3	102.6	275•9	4.7	62.8
Not-married family head	••	8.8	9.1	*	*	10•4	5.5	15.9	*	65•5
With children aged 0-14 ye present Without children aged 0-14	••	*	*	*	*	*	*	3.1	*	*
present	••	6.5	6.7	*	*	7.6	5.2	12•8	*	59.2
Child (d) of family head	••	82.4	96.8	17.5	21.3	118-2	39.8	158.0	18.0	74.8
Other relative of family hea	d ••	8.4	9•3	3.0	3.2	12.5	6.0	18.5	25.5	67.8
Not a member of a family Living alone		67 . 8 29 . 5	74.3 31.7	11.5 5.2	12 . 4 5 . 6	86•7 37•3	30 . 2 21 . 0	117•0 58•3	14.3 14.9	74•1 64•0
Not living alone	••	38.3	42.6	6.3	6.8	49.4	9.3	58•7	13.9	84•2
Total ••	••	565.7	605.0	56.6	62.6	667•5	193•2	860.8	9•4	77.5
			· · · · · ·	Females			<u></u>	1		
Member of a family	••	173.6	309.8	21.6	34.0	343.8	406•2	750•0	9.9	45•8
Wife •• •• •• With children aged 0-14 yea	·· ers	107.3	212.0	9.0	16.1	228.1	318-1	546•2	7•0	41.8
present Without children aged 0-14	•• years	45.4	110•9	6.0	11.8	122.8	145.7	268•5	9•6	45•7
present	••	61.9	101.0	3.0	4.2	105•3	172.4	277.7	4.0	37•9
Not-married family head With children aged 0-14 yea	••	17•1	25•8	*	*	28•6	43.8	72.4	*	39•5
present Without children aged 0-14	}	9•2	15.3	*	*	17•6	21.9	39•5	*	44.5
present	•••	7•9	10.6	*	*	11.0	21.9	32.9	*	33.5
Child (d) of family head		45•0	67•1	10.0	14.1	81•2	30.4	111.6	17•4	72•8
Other relative of family head		4•2	4.9	*	*	5. 9	13.9	19•8	*	29.9
Not a member of a family		45•7	53•7	5.4	5.5	59•2	70•8	130•0	9.3	45.5
Living alone Not living alone	::	16.3 29.5	19 . 9 33 . 9	* 3 . 9	* 4•1	21.3 37.9	60.9 9.9	82•2 47•8	10.7	25•9 79•3
<u>Total</u>		219•3	363.6	27•0	39.4	403.0	477.0	880.0	9.8	45.8

Table 14 - Family Status by Labour Force Status and Sex of the Civilian Population Aged 15 Years and Over (a),

Queensland, May 1985 (continued)

	Empl	Employed		Unemployed						
Family status		Full- time	Total	Locking for full- time work	Total	Labour force	Not in labour force	Civilian populat- ion aged 15 years and over	Unemp- loyment rate (b)	Partici- pation rate (c)
<u> </u>		1000	'000	'000	' 000	'000	'000	1000	3	Z
Persons										! <u></u> -
Member of a family	••	671.4	840.5	66•7	84•1	924.6	569•3	1,493.9	9.1	61.9
Husband or wife With children age	 ed 0-14 years	505.6	627.4	32.3	40•4	667•8	429.9	1,097.7	6•1	60.8
present Without children	aged 0-14 years	287•8	361.1	22.0	28•1	389.2	154.9	544.1	7•2	71.5
present	••	217.8	266•2	10•4	12.3	278.6	275.0	553•6	4.4	50•3
Not-married family With children age		25.8	34.9	3.0	4.1	39•0	49•3	88•3	10.4	44-1
present Without children	aged 0-14 years	11.4	17.7	*	*	20.4	22.2	42•7	*	47•9
present	••	14.4	17.3	*	*	18.6	27.1	45.7	*	40•6
Child (d) of family	y head	127•4	164.0	27•5	35•4	199•4	70.2	269•6	17.8	74•0
Other relative of	family head ••	12•6	14•2	3.9	4.2	18•5	19.9	38.3	22•8	48•2
Not a member of a fam Living alone Not living alone	nily	113.6 45.8 67.8	128.0 51.6 76.4	16.9 6.7 10.2	17.9 7.0 10.9	145•9 58•6 87•3	101.0 81.9 19.2	247.0 140.5 106.5	12•3 11•9 12•5	59•1 41•7 82•0
<u>Total</u>		785.0	968•5	83.6	102•0	1,070.6	670.3	1,740.8	9•5	61•5

⁽a) Civilians who were residents of private dwellings where family status was determined.

⁽b) The number of unemployed in each group as a percentage of the labour force in the same group.

⁽c) The labour force in each group as a percentage of the civilian population aged 15 years and over in the same group.

⁽d) Aged 15 years and over.

Table 15 - Estimates of Changes in Labour Force Status and Gross Flows (a) Derived from Matched Records, Queensland,

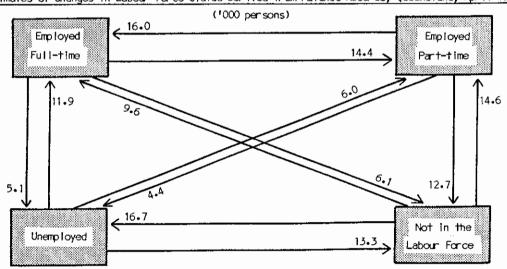
April 1985 to May 1985

('000)

	(1000	·					
P1	Particulars			Females			
Part	iculars	Males	Married	Total	Persons		
Labour force status							
April 1985	May 1985	[1			
Employed full-time	Employed full-time	440.4	78•1	161.0	601 • 4		
	Employed part-time	5.3	6.3	9.1	14.4		
	Unemployed	3.4	*	*	5-1		
	Not in the labour force	3.6	*	*	6-1		
Employed part-time	Employed full-time	6.7	6.9	9.3	16.0		
	Employed part-time	20.5	73•8	97•9	118•4		
	Unemployed	*	*	*	4.4		
	Not in the labour force	*	7•6	9.8	12.7		
Unemployed	Employed full-time	9.1	*	*	11.9		
	Employed part-time	. *	*	3.5	6.0		
	Unemployed	37.3	5.5	16.6	53.9		
	Not in the labour force	3.8	5•9	9.5	13.3		
Not in the labour force	Employed full-time	5.0	3.0	4.6	9.6		
	Employed part-time	3.3	8.0	11.3	14.6		
	Unemployed	5.5	6.7	11.2	16.7		
	Not in the labour force	150•8	252•1	370•2	520.9		
Gross flows into	Employed	19.9	13.4	22•2	42.1		
	Full-time	20.8	10.6	16•7	37.5		
	Part-time	11.1	16.0	23.8	34.9		
	Unemployed	11.3	7.7	14.9	26.2		
	Not in the labour force	10.2	15•3	21•8	32.0		
Gross flows out of	Employed	12-2	10.4	16.0	28•3		
	Full-time	12.3	8.6	13.3	25.6		
	Part-time	11.9	15.0	21.0	33.0		
	Unemployed	15•4	8.4	15.7	31.2		
	Not in the labour force	13.8	17.7	27•1	40.9		
Total change of status	•• ••	41.5	36•4	58•9	100•3		
Population represented by the m	natched sample	702.3	459•1	723•0	1,425.3		

(a) See Explanatory Notes.

Diagram 4 - Estimates of Changes in Labour Force Status Derived from Matched Records, Queensland, April 1985 to May 1985



Estimation procedure

The labour force estimates are derived from the monthly population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

Reliability of the estimates

Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling The sampling error is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, the estimates and the movements derived from them are subject to sampling variability; that is, they may differ from the figures that would have been obtained if all dwellings had been included in the survey. One measure of the likely difference is given by the standard error which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one $^\prime$ standard error from the figure that would have been obtained if all dwellings had been included and about 19 chances in 20 that the difference will be less than two standard errors. The standard error can also be expressed as a percentage of the estimate, and this is known as the <u>relative standard error</u>.

Space does not allow for the separate indication of the standard errors of all estimates in this publication. Standard errors of estimates derived from the survey and of monthly, quarterly, and annual movements can be determined by using Tables A and B.

The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

Standard errors of estimates derived from the monthly labour force survey have been re-estimated. The re-estimation follows the re-selection of the sample in October 1982 and consequent production of data on a place of usual residence basis. The new standard errors were introduced for the February 1985 survey and are shown in Tables A, B, and C. The differences between the old and new standard errors are minor, with large estimates being associated with higher standard errors and smaller estimates having slightly lower standard errors.

As the standard errors in Table A show, the smaller the estimate the higher is the relative standard error.

Very small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable use. For the labour force survey, estimates which have a relative standard error larger than 25 per cent are not published. In the tables in this publication, estimates below 3,000 and percentages based on such estimates have not been included but are indicated by *. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. Standard errors of monthly movements are given in Table B. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements) and other non-consecutive months. will generally be subject to somewhat greater sampling variability than is indicated in Table B. errors of quarterly movements can be obtained by multiplying the figures in Table B by 1.5. errors of all annual movements can be obtained by multiplying the figures in Table A by 1.3. When using Table A or Table B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.

Examples of the calculation and use of standard errors are given below:

- (a) From Table A it will be seen that an estimate of 20,000 has a standard error of 1,650. Therefore there are about two chances in three that the number that would have been obtained if all dwellings had been included in the survey would have been within the range 18,350 to 21,650 and about 19 chances in 20 that it would have been within the range 16,700 to 23,300.
- (b) The estimate increases between two consecutive months by 25,000 to 75,000. Table B relates the standard error of the monthly movement to the larger of the two estimates from which the movement is derived. In this case the estimate of 75,000 is the larger. From Table B it will be seen that the standard error of the monthly movement is about 2,200. Therefore there are about two chances in three that if all dwellings had been included in the survey the movement would have been in the range +22,800 to +27,200 and about 19 chances in 20 that it would have been within the range +20,600 to +29,400.

Table A - Standard Errors of Estimates

Size of estimate	Standard errors	Per cent of estimate
persons	No.	%
(a) 3,000	690	23•2
3,500	7 50	21•4
4,000	800	19•9
4,500	840	18•7
5,000	880	17.7
6,000	960	16.0
10,000	1,200	12.1
20,000	1,650	8.1
50,000	2,350	4.7
100,000	3,050	3.1
200,000	3,950	2.0
300,000	4,500	1.5
500,000	5,300	1.1
1,000,000	6 , 600	0.7

(a) Estimates below 3,000 have not been published (see text above).

<u>Table B</u> - <u>Standard Errors of Estimates of Monthly</u>

Movements

Size of larger estimate	Standard errors of estimates of monthly movements	Standard errors of estimates of monthly movements	
3,000 3,500 4,000 4,500 5,000 6,000	680 720 760 790 820 880 1,050	20,000 50,000 100,000 200,000 300,000 500,000	1,350 1,900 2,400 3,150 3,650 4,400 5,600

The relative standard errors of estimates of average hours worked and median duration of unemployment are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A) and then multipying the figure so obtained by the factors 0.7 for average hours worked and 2.0 for median duration of unemployment.

Publication cut-off points for these and other estimates are shown in Table C. Because of higher

relative standard errors, estimates of median duration of unemployment have higher cut-off points for publication than other estimates as shown in Table A.

Table C - <u>Publication Cut-off Points for</u>
<u>Labour Force Estimates</u>

Estimates classified by	Number of persons
Average hours worked	1,500
Median duration of unemployment	10,800
All other estimates ••	3,000

The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude.

Proportions and percentages (for example, participation rates) formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and denominator. The formula for the relative standard error (RSE) of a proportion or percentage is given below.

RSE
$$\left(\frac{x}{y}\right) = \sqrt{\left[RSE(x)\right]^2 - \left[RSE(y)\right]^2}$$

Standard errors contained in Tables A and B are designed to provide an average standard error applicable for all monthly labour force survey estimates. Recent analysis of standard errors applicable to particular survey estimates has shown that the standard errors on estimates of employment are generally equivalent to those shown in Tables A and B, while standard errors for unemployment and persons not in the labour force are approximately three per cent lower and six per cent higher, respectively, than those shown in the tables.

The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents, errors made in collection such as in the recording and coding of data, and errors made in the processing of data. Inaccuracies of this kind are referred to as the non-sampling error, and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers, and efficient operating procedures.

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